

## 2-Deoxy-D-glucose, Reagent

[SDS](#)

Item Number	<a href="#">DE103</a>
CAS Number	<a href="#">154-17-6</a>
Molecular Formula	$C_6H_{12}O_5$
Molecular Weight	164.16

### Description

2-Deoxy-D-glucose, Reagent (2-DG) is a glucose molecule which acts to inhibit glucose-6-PO4 from glucose at the phosphoglucosomerase level. It has the 2-hydroxyl group that replaces hydrogen which inhibits further glycolysis. 2-DG has been used as a targeted optical imaging agent for fluorescent in vivo imaging. The Reagent grade denotes that this chemical is the highest quality commercially available and that the American Chemical Society has not officially set any specifications for this material. Spectrum Chemical manufactured Reagent grade products meet the toughest regulatory standards for quality and purity.

**Synonyms** Deoxyglucose

Order	24-Apr-2024 11:46: AM PDT		PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.			
Catalog	Package	Size	Availability	NDC#	Your Price	Unit
DE103-1GM		1 GM	<a href="#">Sign In</a>			EA
DE103-5GM		5 GM				EA
DE103-25GM		25 GM				EA

### Shipping & Storage

#### Storage Information

Keep tightly closed

#### Shipping Information

Tariff No. 2940006000

